

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 6/17/2011

Control	0884-04-008
Project	STP 1102(397)
Highway	FM 37
County	LAMB

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 1102(397)

CONTROL: 0884-04-008

COUNTY: LAMB

LETTING: 07/07/2011

REFERENCE NO: 0616

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

_ BID INSERTS (SH. NO.:

X GENERAL NOTES (SH. NO.: B - J

_ SPEC LIST (SH. NO.:

_ SPECIAL PROVISIONS:

ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: See changes outlined below.

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

General Notes:

Sheet B: Note added to item 8.

Sheet H: Note added to item 502.

Information shifted due to the note additions and sheet K was added.

Plan Set:

Sheets 4, 4A - 4D are revised.

Sheet 4E is added.

GENERAL NOTES:**Surface Treatment Basis of Estimate**

DESCRIPTION	EMUL (ERSN CONT)	PRIME COAT	FIRST COURSE	SECOND COURSE	FOG SEAL
ASPH TYPE & GRADE	CSS-1H	MC-30 *	TIER 3 *	TIER 3 *	CSS-1H
ASPH RATE (GAL/SY)	**0.13 Asph. Emulsion	0.20	0.55	0.50	***0.09 Asph. Emulsion
AGGR TYPE			PB	PB	
AGGR GRADE			3	4	
AGGR RATE (CY/SY)			1/80	1/105	

*See plans & estimate for alternates.

** Est. shot rate is 0.26 GAL/SY (50% Asph. Emul./ 50% Water) or as directed.

*** Est. shot rate is 0.18 GAL/SY (50% Asph. Emul./ 50% Water) or as directed.
Apply CSS-1H as directed.

Surface Treatment Area (SY)

CSJ	EMUL (ERSN CONT)	PRIME COAT	2 COURSE SURF TREAT
884-4-8	68,680	92,895	89,461

W.W.A.R.P

Provide coarse aggregate for all surface treatments meeting a minimum class of **B** as published in the *AGGREGATE QUALITY MONITORING PROGRAM RATED SOURCE QUALITY CATALOGUE*.

General Requirements and Covenants - Items 1 thru 9**Item 2 – Instructions to Bidders**

View the plans on-line or download from the web at:

<http://www.dot.state.tx.us/business/plansonline/plansonline.htm>

Order plans from any of the plan reproduction companies shown on the web at:

http://www.dot.state.tx.us/business/contractors_consultants/repro_companies.htm

Utilities

Overhead and underground utility installations exist within the project limits.

Item 5 - Control of Work

Perform construction surveying in accordance with Article 5.6.C, "Method C."

Item 7 - Legal Relations and Responsibilities

Coordinate street closures with the local fire, police, and other emergency personnel.

Notify, in writing, each residence and business 10 days prior to beginning construction of the phase/phases that are expected to affect their ingress and egress. This notice may be hand delivered or mailed.

When applicable, comply with all requirements of the Environmental Permits Issues and Commitments (EPIC) sheets.

Dispose of all waste materials in compliance with local, state and federal regulations. Submit a list of all approved waste sites to the Engineer for review.

Item 8 - Prosecution and Progress

Work shall be performed between April 1 and October 31. Time shall be suspended and no work shall be performed between November 1 and March 31. The Work Start Date is April 1, 2012.

Construct the roadway according to the typical sections except for the following two test sections: 1) Build a 1000' section in two layers, a salvage base layer and a base layer; 2) Build a 1000' section in one layer without the cement. The locations for these section deviations will be determined by the Engineer. These test sections shall be built full width. No additional payment will be given for this work.

Monthly schedule updates are a very important aspect of managing the progress of this project. The Engineer may withhold the monthly estimate if the schedule update has not been received.

Do not begin work before sunrise or end work after sunset unless authorized by the Engineer, and remove all equipment from the roadway before sundown.

Perform any erosion control measures such as seeding or sodding before beginning the next phase, or land, unless otherwise authorized by the Engineer.

Work around existing culverts, signs, mailboxes, object markers and delineators. Any damages resulting from the contractor's operation shall be repaired by the contractor to the satisfaction of the Engineer.

Item 9 - Measurement and Payment

Submit material-on-hand payment requests at least three working days prior to the end of the month for payment on that month's estimate.

Items 110 And 132 - Excavation and Embankment

Excavation (special) includes undercutting, removing, and disposing of undesirable material below subgrade as directed by the Engineer. Fill this volume using material that meets Type C embankment requirements. Payment shall be subsidiary to this item.

Provide Type C Embankment conforming to the following material specifications:

Liquid Limit (maximum)	45
Plasticity Index (maximum)	25
Bar Linear Shrinkage (minimum)	2

Consider all embankment to be Earth Embankment in accordance with Article 132.3.A.

Approval may be granted, as directed by the Engineer, to incorporate rock and/or broken concrete with a maximum dimension of four (4) inches, produced by the construction project, in the lower layers of the embankment, provided the quantity of rock and/or broken concrete does not affect the ability to achieve specified density, as directed by the Engineer.

Proof roll, as directed by the Engineer.

Item 112 - Subgrade Widening

Provide embankment material for subgrade widening that meets the requirements of Type C Embankment and be from approved sources. This will not be paid for directly, but will be considered subsidiary to this item.

Item 134 and 150 - Backfilling Pavement Edges and Blading

Salvage existing topsoil and grass in windrows along the edge of the grading operations, or as directed by the Engineer. As a land is finished, spread the adjacent topsoil and grass uniformly over the disturbed area. Perform this work in phases not to exceed three miles, unless otherwise authorized by the Engineer.

Item 158 - Specialized Excavation Work

The Contractor may use any type of equipment that is able to consistently and efficiently produce the desired results, as approved by the Engineer.

Specialized Excavation Work shall be used to remove sediments from erosion control devices, to excavate three drainage channels on the project, and as directed by the Engineer.

Item 216 - Proof Rolling

Provide a 25 ton roller, or other equipment approved by the Engineer for proof rolling.

Item 247 - Flexible Base**SPECIFICATION DATA**

TEST TO BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION
STANDARD TEST METHODS

FLEXIBLE BASE SPECIFICATION DATA

GRADING REQUIREMENTS PERCENT RETAINED – SIEVES SIEVE SIZES INCHES					SOIL CONSTANTS		MAX WET BALL	MAX % INCREASE	MIN STRENGTH 15 PSI
1 3/4	7/8	1/2	#4	#40	L.L. MAX	P.I. MAX			
0	20-30	40-55	65-75	75-90	40	15	50	25	N/A

The addition of field sand to reduce the plasticity index a maximum of three points below the original P.I. is permitted. Introduce field sand at the crusher on a feed belt prior to building the stockpile.

Item 251 - Reworking Base Material

Before replacing salvaged material, construct and shape subgrade, using density control in accordance with applicable item of work.

Excess base material shall be disposed of by the contractor.

Item 260 - Lime Treatment (Road Mixed)

Use lime, at the target rate of 3 percent by weight, based on an estimated unit weight of 125 pounds per cubic foot, unless otherwise directed by the Engineer.

Use a vane feeder system to distribute the lime.

Item 265 - Fly Ash or Lime Fly Ash Treatment (Road Mixed)

Use "Type CS" fly ash. A target rate of 7 percent by weight, based on an estimated unit weight of 125 pounds per cubic foot was used for estimating purposes. The actual rate to be used will be based on laboratory tests that yield a strength of 200 psi at a lateral pressure of 15 psi unless otherwise directed by the Engineer.

Use a vane feeder system to distribute fly ash.

Asphalt material will not be permitted for curing.

Item 275 - Cement Treatment (Road Mixed)

A target rate of 3 percent by weight, based on an estimated unit weight of 125 pounds per cubic foot, was used for estimating purposes. The actual rate to be used will be based on laboratory tests that yield a strength of 200 psi at a lateral pressure of 15 psi unless otherwise directed by the Engineer.

Use a vane feeder system to distribute cement.

Asphalt material will not be permitted for curing.

Item 302 - Aggregates for Surface Treatments

Precoat aggregate with asphalt of the type and grade approved by the Engineer. Use an anti-stripping agent, of the type and at a rate approved by the Engineer. The use of flux oil is not permitted.

Cure precoat aggregate a minimum of 72 hours before applying the aggregate to the roadway surface.

Aggregate will be subjected to five cycles of the magnesium sulfate soundness test in accordance with Test Method TEX-411-A. The loss shall not be greater than 20 percent.

Item 310 - Prime Coat

Apply a prime coat to all finished flexible and salvage base due to receive asphaltic concrete pavement or surface treatments.

Cure the prime coat for a minimum of 72 hours before placing any asphaltic material on the primed surface, unless otherwise authorized by the Engineer.

Item 314 - Emulsified Asphalt Treatment

Apply the emulsified asphalt and water mixture, as directed by the Engineer.

Item 315 - Fog Seal

Apply the emulsified asphalt and water mixture, as directed by the Engineer.

Item 316 - Surface Treatments

Do not place AC asphalt between September 1 and May 14, unless otherwise directed by the Engineer. Cure CRS-1P asphalt for 30 days before applying the second course or hot mix, if it is used on the first course.

In order to minimize the length of roadway with only the first course surface treatment during winter, complete second course of surface treatment by September 1 for any areas of roadway completed thru the first course.

Remove all excess aggregate by brooming after sufficient curing has occurred but no later than the end of the day, as directed by the Engineer. Remove all excess aggregate from the project in curb and gutter sections, and other areas as directed by the Engineer.

Schedule the placement width for all asphalt surfaces in a manner such that all joints will coincide with proposed lane lines (+/- 6 inches).

Leave signs and barricades in place until all brooming and the application of the center stripe are completed, unless otherwise directed by the Engineer.

Set a string line for all surface treatment operations, unless otherwise directed by the Engineer. Remove the string line daily.

Use medium pneumatic tire rollers, as directed by the Engineer.

Do not use flat wheel rollers.

Asphalt storage tanks may be used.

If patching is required, Type F hot mix or an approved equivalent shall be used for all patching. The patches shall be placed using a blade and roller to achieve ride quality. Hand patching is not allowed unless approved by the Engineer.

Item 400 - Excavation and Backfill for Structures

Construct fill over structures to plan grade before hauling with heavy equipment over structures.

Compact backfill used for structures, other than flowable backfill, to a minimum density of 95 percent.

Use a template in order to secure reasonably accurate Class C shaping of the foundation material outside of cement stabilized areas.

Item 420 - Concrete Structures

Use Grade 3 coarse aggregate in all concrete structures.

Item 421 - Hydraulic Cement Concrete

Entrained air will be required in all concrete except drilled shafts.

The sodium sulfate soundness Test Method TEX-411-A is waived.

Supply 2 – 4' x 8' x ¾" sheets of plywood, in order to perform required testing procedures at the location of concrete placements.

Use 4-inch by 8-inch cylinder molds for concrete with Grade 3 or smaller coarse aggregate. Supply cylinder molds and lids subsidiary to the various bid items.

Over-design compressive strength requirements, designated in Article 421.4, Table 6, for this project are waived.

The Engineer will inspect concrete batch plants and trucks for approval.

For this project, the requirements of Article 421.4, Subsection G, "Certification of Testing Personnel" are waived, except that "Personnel performing these tests are subject to Departmental approval."

Item 427 - Surface Finishes For Concrete

Provide surface area I concrete surfaces with a rub finish.

Item 464 - Reinforced Concrete Pipe

Join all concrete culvert pipe with a cold-applied plastic asphalt sewer joint compound.

Item 467 - Safety End Treatment

Install riprap around all precast SETs.

Item 502 - Barricades, Signs And Traffic Handling

Prior to beginning construction, the Engineer shall approve the routing of traffic and sequence of work.

Additional signs and barricades as directed by the Engineer shall be considered subsidiary to Item 502.

Wash the channelizing devices and barricades following each rainfall or snowfall event and at times deemed necessary by the Engineer.

To ensure the safety and convenience of traffic, flaggers may be required when construction machinery is being operated along, across, or adjacent to lanes carrying traffic. If considered necessary by the Engineer, supplemental signs and barricades may be required.

Fill any holes left by barricade or sign supports and restore the area to its original condition.

Provide heavy duty "green" springs for dual chevrons on projects requiring flexible support systems.

Use the CW21-1T "Give Us A Brake" sign on this project.

Barricades, Signs and Traffic Handling is a plan quantity item. If time is suspended, no additional compensation will be made.

Construct temporary ramps to maintain access to driveways and city streets as directed by the Engineer. Temporary ramp construction is subsidiary to Item 502.

The Contractor shall bid the traffic control plan shown in the plans. Any proposed alterations to the TCP (combining work areas / phasing / etc.) shall be submitted to the Engineer at least 10 days prior to anticipated changes.

Square tubing sign supports may be used for temporary construction signs. Aluminum and wood signs may be mounted if the vertical supports are embedded into the ground. Square tubing supports on skids which are typically held in place with sand bags can only support signs made of light weight fluted plastic.

Any trench or drop off over 2" will require a safety slope of at least 3:1 and can be constructed out of RAP, embankment or other material approved by the Engineer. The placement, maintenance and removal is the responsibility of the Contractor and is subsidiary to the various items.

Item 504 - Facilities for Field Office and Laboratory

No field office will be required.

Item 506 - Temporary Erosion, Sedimentation and Environmental Controls

Place a weatherproof bulletin board containing the TCEQ required information on the project at a site directed by the Engineer. Post the following documents: (1) "TCEQ TPDES Storm Water Program" Construction Site Notice; (2) TCEQ "Notice of Intent"; and (3) TCEQ "TPDES Permit." Place rain gauge(s) at locations designated by the Engineer. At the completion of the contract, the bulletin board will become the property of the State and will remain in place until 70 percent vegetation coverage has been obtained.

Silt fence and sandbags will be placed and relocated as directed by the Engineer in order to comply fully with the SW3P requirements.

The soil area disturbed by this project, including all disturbed areas within the limits of this project as described in the Contract and at Contractor project specific locations (PSLs) within one mile of the project limits, contributes to the establishment of the Texas Commission on Environmental Quality (TCEQ) Construction General Permit (CGP) requirements for storm water discharges. The Department will obtain an authorization from the TCEQ to discharge storm water for construction activities shown on the plans. The Contractor shall obtain the required authorization from the TCEQ for Contractor project specific locations (PSLs) for construction support activities off the right-of-way. As directed by the engineer, the Contractor shall obtain any required authorization from the TCEQ for on-site PSLs. When the total area disturbed within the project limits and at PSLs within one mile of the project limits exceeds five acres, the Contractor shall provide a copy of the Contractor's Notice of Intent (NOI) submission and Construction General Permit for PSLs on the right-of-way to the Engineer (and submit a copy of NOIs to appropriate MS4 operators).

Item 530 - Driveways and Turnouts

Type F hot mix or an approved substitute shall be used for all asphalt driveway tapers.

Item 662 - Work Zone Pavement Markings

Water base paint may be used for all non-removable striping if authorized by the Engineer.

Use short-term removable striping as directed by the Engineer.

Remove tabs after standard pavement markings have been placed. Cut off tabs or remove by a method acceptable to the Engineer.

Item 677 - Eliminating Existing Pavement Markings and Markers

Payment for covering a solid yellow line with a broken yellow line next to it, parallel to the centerline of the highway, will be by the linear foot. This payment will be made only once for two stripes side-by-side.

Item 730 - Roadside Mowing

Mow full-width from pavement edge to Right-of-Way line one time. The Engineer shall dictate the times to mow and the areas in the project to mow.

Item 760 - Cleaning and Reshaping Ditches

Clean and reshape ditches on both sides of the roadway in three areas: 1.) From station 140+00 to station 160+00, 2.) From station 281+00 to station 301+00, and 3.) From station 272+28 to station 292+28. Reference the typical section for finished ditch section.

Item 8251 - Reflectorized Pavement Markings with Retroreflective Requirements

Reference the existing striping in order to stripe the roadway as it was prior to sealing.

Mark the location of standard pavement markings, including barrier lines, no passing zones, gores, and transitions adjusting to meet latest standards or as directed by the Engineer.

For surface treatment projects, leave the final course in place for three days and broom the roadway directly ahead of the striping machine prior to placing standard pavement markings.

After completion of all work and removal of the barricades, time charges will be suspended. The performance period for the project will not begin until all the striping has been completed. Final acceptance will not be granted until the performance period for pavement markings is complete. If replacement markings are needed, traffic control for moving operations will be required. No payment will be made for traffic control during replacement striping work. All traffic control work shall be considered subsidiary to the project's replacement striping work.

Project Number: STP 1102(397)

Sheet

County: LAMB

Control: 0884-04-008

Highway: FM 37

The yellow or white long-line striping for re-striping operations will not lag one another by more than four (4) working days. The performance period for a roadway will not begin for a section of roadway or a project until all required striping for that section or project has been completed.

This page intentionally left blank.